

Investigator's Annual Reports for Colonial NHP

<i>Year</i>	<i>Study Title</i>	<i>Discipline</i>	<i>Institution</i>	<i>Lastname</i>
1991	Qualitative Inventory of Fisheries Resources and Baseline Water Quality Parameters in the Tidal Environment of the Jamestown Island Area of the Park	Ichthyology	FWS	Swihart
1991	Open Fields Non-Tidal Wetland Delineation of Colonial NHP	Other	VIMS	Hershner
1991	Phase 1 Inventory Data for Flora, Fauna, Geographic Information	Other	VA. TECH	Giles
1991	Prepare Application and geographic databases for a Park Based Geographic Information System	Other	NCSU	Rafkind
1991	Mosquito, Tick Monitoring	Entomology	YORKCO	Rindfleisch
1991	Develop Air Quality Management Plan	Air Quality	COLO	Rafkind
1991	Bacteriological Monitoring of Public Water Systems	Microbiology	COLO	Lattin
1991	Develop Park Water Quality Management Plan	Other	VIMS	Hershner
1991	Federal Routine Wetland Delineation and Hydrological Determination of Impact of Underground Natural Gas Line Crossing of Colonial Parkway	Wetlands	VHB	Barker
1991	Measurement of Nitrogen Inputs to Chesapeake Bay and its Tributaries from Groundwater Sources	Other	VIMS	MacIntyre
1991	Groundwater Flow, Quality and Geology of Eastern York County	Hydrology	USGS	Wagner
1991	Geological Studies of Jamestown Island	Geology	VIMS	Hobbs. III
1991	Stratigraphy and Paleontology of Passamore and Kingsmill Creeks, Jamestown Island	Geology	WM	Johnson
1991	Wildlife Observations Jamestown Island	Zoology	COLO	Snyder
1991	Study of Possible Petroleum Contamination from the Adjoining Mathews Property	Water Quality	HRSD	Reichle

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1991 Southern Sugar Maple Propagation	Forestrv	VADOF	Reier
1991 Develop Open Fields Management Plan	Other	COLO	Rafkind
1991 Johnson Grass Demonstration Suppression Project	Botanv	COLO. NRCS. CSWCD	Rafkind
1991 Develop Fire and Vegetation Classification System	Other	NCSTJ	Devine
1991 Develop Digital Soils Maps and Attribute Database	Other	NRCS	Owens
1991 Investigation of Groundwater Water Level at Edgemarsh Point	Hvdrolaav	VADEQ	Wanar
1991 Inventory of Wildflowers of Colonial NHP Fields	Botanv	COLO	Lattin
1991 Groundwater Investigation of Jamestown Island Glasshouse Site	Hvdrolaav	WM	Johnson
1992 Geological Development of Jamestown Island	Geoloav	WM	Johnson
1992 Inventory of Vegetation Changes and Wildflowers of Colonial NHP Fields	Botanv	COLO	Trader
1992 Geological Studies of Jamestown Island	Geoloav	VIMS	Hobbs. III
1992 Neotropical Migratory Bird Survey	Ornitholaav	WM	Bradshaw
1992 Site Characterization for Leaking Underground Fuel Oil Tank, Yorktown Visitor Center	Water Qualitv	USN	Emorv
1992 Mosquito, Tick Monitoring	Entomoloav	YORKCO	Rindfleisch
1992 Develop Digital Soils Maps and Attribute Database	Other	NRCS	Rector
1992 Marine Debris Study Yorktown, Jamestown, and Colonial Parkway	LTEM	COLO	Trader
1992 Gypsy Moth Monitoring	Entomoloav	COLO	Trader
1992 Develop Open Fields Management Plan	Other	COLO	Rafkind
1992 Inventory of Rare, Threatened and Endangered Species	Botanv	VADNH	Ludwig
1992 Floristic Study of Wormely Pond Area	Botanv	WM	Ware

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1992	Develop Park Water Management Plan	Other	VIMS	Hershner
1992	Global Positioning System - A Testing of Techniques Utilized in Cultural Data Input at Colonial National Historical Park	Other	NPS	Knoerl
1992	Groundwater Flow, Quality and Geology of Eastern York County	Hvdrolaav	VADEQ	Bruce
1992	Pilot Study on Relationships Between Wetland Boundaries and Soil Organic Matter	Ecologaav	VIMS	Rheinhardt
1992	Bacteriological Monitoring of Public Water Systems	Microbioloav	COLO	Trader
1992	Measurement of Groundwater Quality Monitoring of Park at Locations Proximal to Urban Land Uses	Water Qualitv	VIMS	MacIntvre
1992	Phase 1 Inventory Data for Flora, Fauna, Geographic Information	Other	VA. TECH	Giles
1992	Stratigraphy and Paleontology of Passamore and Kingsmill Creeks, Jamestown Island	Paleontoloav	WM	Johnson
1992	Open Fields Non-Tidal Wetland Delineation of Colonial NHP	Wetlands	VIMS	Perrv
1992	Wildlife Observations Jamestown Island	Zoologaav	COL O	Snvder
1992	Measurement of Nitrogen Inputs to Chesapeake Bay and its Tributaries from Groundwater Sources	Water Qualitv	VIMS	MacIntvre
1992	Short Course in Cartographic Design for GIS Users	Other	COLO	Rafkind
1992	Prepare Application and Geographic Databases for a Park Based Geographic Information System	Other	NCSTU	Rafkind
1992	Qualitative Inventory of Fisheries Resources and Baseline Water Quality Parameters in the Tidal Environment of the Jamestown Island Area of the Park	Ichthvoloav	FWS	Swihart
1992	Johnson Grass Demonstration Suppression Project	Botanv	COLO. NRCS. CSWCD	Rafkind
1992	Investigation of Groundwater Water Level at Edgemarsh Point	Hvdrolaav	VADEQ	Wanner
1992	Monitoring of Avian Species on Jamestown Island	Ornitholoav	WM	Olrodae

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1992 Report on the deterioration of the stones and bricks of the Glass house kiln	Other	WM	Johnson
1993 Investigation of Groundwater Water Level at Edgemarsh Point and Yorktown	Hvdrolaav	VADEQ	Bruce
1993 Mushrooms of Virginia	Botanv	VIMS	Olnev
1993 Bacteriological Monitoring of Public Water Systems	Microbioloav	COLO	Williams
1993 Geological Development of Jamestown Island	Geoloav	WM	Johnson
1993 Phase IV Monitoring Plan for Rare, Threatened, and Endangered Species and Critical Habitats	Botanv	VADNH	Clark
1993 Virginia Fuel Farm Clean Up	LTEM	VADES	Jones
1993 Johnson Grass Demonstration Suppression Project	Botanv	COLO. NRCS. CSWCD	Rafkind
1993 White-tailed Deer Flagging Behavoir	Zooloav	WM	Griaas
1993 Marine Debris Study Yorktown, Jamestown, and Colonial Parkway	LTEM	COLO	Gaul
1993 Develop Park Water Management Plan	Other	VIMS	Hershner
1993 Gypsy Moth and Southern Pine Bark Monitoring	Entomoloav	COLO	Thomas
1993 Neotropical Migratory Bird Survey	Ornitholoav	WM	Bradshaw
1993 Prepare Application and Geographic Databases for a Park Based Geographic Information System	Other	NCSU	Rafkind
1993 Measurement of Groundwater Quality Monitoring of Park at Locations Proximal to Urban Land Uses	Water Quality	VIMS	MacIntvre
1993 Wildlife Observations Jamestown Island	Zooloav	COLO	Snvder
1994 US Navy Fuel Farm UST Investigation for Impacts to NPS Natural Resource Trust Lands	Other	APEX.VIMS	Rafkind

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1994	Measurement of Groundwater Quality Monitoring of Park at Locations Proximal to Urban Land Uses	Water Quality	VIMS	MacIntyre
1994	Investigation of Groundwater Water Level at Edgemarsh Point and Yorktown Battlefield	Hydrology	VADEQ	Bruce
1994	Virginia Fuel Farm Clean Up	LTEM	VADES	Jones
1994	Prepare Application and Geographic Databases for a Park Based Geographic Information System	Other	NCSU	Rafkind
1994	Develop Detailed Monitoring Plans for Rare, Threatened, and Endangered Species of Colonial National Historical Park	Botany	VADNH	Clark
1994	Feeding Behavior and Resource Partitioning of Xanthid crabs of Chesapeake Bay	Invertebrates	GWU	Ladwin
1994	Johnson Grass Demonstration Suppression Project	Botany	COLO. NRCS. CSWCD	Rafkind
1994	Gypsy Moth Monitoring	Entomology	USN	Caparetta
1994	NWI Wetlands Investigation of Non-Tidal Wetlands	Wetlands	VIMS	Bradshaw
1994	Qualitative Inventory of Fisheries Resources and Baseline Water Quality Parameters in the Tidal Environment of the Jamestown Island Area of the Park.	Ichthyology	FWS	Swihart
1994	Reconstruction of Historic Landscape of Jamestown Island	Botany	APVA	Kelso
1994	RCRA/CERCLA NPL Superfund Investigation for Yorktown Naval Weapons Station	Other	USN	Golden
1994	Marine Debris Study Yorktown, Jamestown, and Colonial Parkway	LTEM	COLO	Gaul
1994	Wildlife Observations Jamestown Island	Zoology	COLO	Snyder
1994	Neotropical Migratory Bird Survey	Ornithology	WM	Bradshaw
1994	Bacteriological Monitoring of Public Water Systems	Microbiology	COLO	Williams
1994	Geological Development of Jamestown Island	Geology	WM	Johnson

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1994 Deer Herd Health Survey of Colonial NHP	Zoology	VADGIF	West
1995 Erosion and Sedimentation Manual	ESS	NCSU	Graham
1995 Investigation for Nitrate Reduction at the Salt Marsh Groundwater Interface	Wetlands	VIMS	Tobias
1995 Measurement of Groundwater Quality Monitoring of Park at Locations Proximal to Urban Land Uses	Hydrology	VIMS	MacIntyre
1995 Develop Detailed Monitoring Plans for Rare, Threatened, and Endangered Species of Colonial National Historical Park	Other	VADNH	Clark
1995 Gypsy Moth Monitoring	Other	COLO	Garvin
1995 Neotropical Migratory Bird Survey	Ornithology	WM	Bradshaw
1995 Reconstruction of Historic Landscape of Jamestown Island	Other	APVA	Kelso
1995 Deer Herd Health Survey of Colonial NHP	Other	VADGIF	West
1995 UST Closure and Site Remediation, US Navy	Other	USN	Chamberlain
1995 Virginia Fuel Farm Clean Up	Agriculture	VADES	Jones
1995 Feeding Behavior and Resource Partitioning of Xanthid crabs of Chesapeake Bay	Invertebrates	GWU	Ladwin
1995 Prepare Application and Geographic Databases for a Park Based Geographic Information System	Other	NCSU	Rafkind
1995 Bacteriological Monitoring of Public Water Systems	Water Quality	COLO	Williams
1995 Qualitative Inventory of Fisheries Resources and Baseline Water Quality Parameters in the Tidal Environment of the Jamestown Island Area of the Park.	Fisheries	FWS	Odum
1995 HGM POF Intercoastal Plain	Wetlands	ECSU	Rheinhardt
1995 NWI Wetlands Investigation of Non-Tidal Wetlands	Wetlands	VIMS	Bradshaw
1995 Geological Development of Jamestown Island	Geology	WM, VIMS	Johnson

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1995	US Navy Fuel Farm UST Investigation for Impacts to NPS Natural Resource Trust Lands	Other	USN	Rafkind
1995	Investigation of Groundwater Water Level at Edgemarsh Point and Yorktown Battlefield	Hydrology	VADEQ	Bruce
1995	Remedial Investigation, Feasibility Study of Installation Restoration Program, Yorktown Naval Weapons Station, Ballard Creek	Other	BAKER. USN	Hoff
1995	Forest Propagation for Reforestation	Forestry	VADOF	Reier
1995	Wildlife Observations Jamestown Island	Other	COLO	Snyder
1996	HGM POF Intercoastal Plain	Wetlands	ECSU	Rheinhardt
1996	Geological Development of Jamestown Island	Geology	WM. VIMS	Johnson
1996	Baseline Water Quality and Bioassay of Yorktown Creek	Other	VIMS	Roberts
1996	Develop Detailed Monitoring Plans for Rare, Threatened, and Endangered Species of Colonial National Historical Park	Other	VADNH	Clark
1996	Deer Herd Health Survey of Colonial NHP	Other	VADGIF	West
1996	Remedial Investigation, Feasibility Study of Installation Restoration Program, Yorktown Naval Weapons Station, Ballard Creek	Other	BAKER. USN	Hoff
1996	Nitrate Reduction at the Groundwater/Salt Marsh Interface	Wetlands	VIMS	Tobias
1996	Erosion and Sedimentation Manual	ESS	NCSU	Greene
1996	Conduct wetland, botany, and soil classes	Wetlands	VIMS	Perry
1996	Gypsy Moth Monitoring	Other	COLO	Garvin
1996	Qualitative Inventory of Fisheries Resources and Baseline Water Quality Parameters in the Tidal Environment of the Jamestown Island Area of the Park.	Fisheries	FWS	Odum
1996	Virginia Fuel Farm Clean Up	Agriculture	VADES	Burdick

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1996	Neotropical Migratory Bird Survey	Ornithology	WM	Bradshaw
1996	Investigation of Groundwater Water Level at Edgemark Point and Yorktown Battlefield	Hydrology	VADEQ	Bruce
1996	Prepare Application and Geographic Databases for a Park Based Geographic Information System	Other	NCSU	Rafkind
1996	Springs and Seeps	Hydrology	USGS	Focazio
1996	NWI Wetlands Investigation of Non-Tidal Wetlands	Wetlands	VIMS	Bradshaw
1996	UST Closure and Site Remediation, US Navy	Other	USN	Chamberlain
1996	Measurement of Groundwater Quality Monitoring of Park at Locations Proximal to Urban Land Uses	Hydrology	VIMS	MacIntyre
1996	Develop Detailed Monitoring Plans for Rare, Threatened, and Endangered Species of Colonial National Historical Park	Other	VADNH	Clark
1996	Conduct wetland, botany, and soil classes	Wetlands	VIMS	Perry
1996	Bacteriological Monitoring of Public Water Systems	Water Quality	COL O	Williams
1996	Develop Fisheries Management Plan for Cheatham Pond	Fisheries	NPS	Panek
1996	Forest Propagation for Reforestation	Forestry	VADOF	Reier
1997	Genetic Analysis of Micro-geographic Variation in Populations of <i>Fundulus heteroclitus</i> (L.) inhabiting an Industrialized Waterway	Ecology	WM	Arzavus
1997	Vascular Flora of Green Springs: Native and introduced Vegetation	Botany	WM	Case
1997	Investigation of Groundwater Water Level at Edgemark Point and Yorktown Battlefield.	Hydrology	VADEQ	Bruce
1997	Shoreline Conservation Plan Development and Mitigation	Other	VIMS	Hardaway
1997	Faunal Survey of Green Spring	Zoology	WM	Bradshaw

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1997 Natural Heritage Survey of Cheathan and Wormley Pond Drainages.	Other	VADNH	Hobson
1997 Monitoring Impacts of Construction Activity on Yorktown Creek, Yorktown, Va, - Continuation	LTEM	VIMS	Roberts
1997 Monitoring of Eagles and Great Blue Heron-Great Egret Rookeries of Colonial NHP.	Other	WM	Watts
1997 Nitrate Reduction at the Groundwater/Salt Marsh Interface	Wetlands	VIMS	Tobias
1997 UST Closure and Site Remediation, US Navy	Agriculture	USN	Conway
1997 Marine Debris Cleanup	Other	USN	Markwith
1997 Distribution of Freshwater Macrobenthos in Relation to Water Quality in the Yorktown Battlefield Unit of Colonial NHP	LTEM	WM	Capelli
1997 Learning of a complex behavior in herring gulls	Ecology	WM	Cristol
1997 NWI Wetlands Investigation of Non-Tidal Wetlands	Wetlands	VIMS	Bradshaw
1997 Migration Distance in Dark-eyed Juncos	Ecology	WM	Cristol
1997 Gypsy Moth Monitoring	Other	COLO	Doak
1997 Neotropical Migratory Bird Survey	Ornithology	WM	Bradshaw
1998 Initial Inventory of Invasive Flora of Colonial NHP	Other	WM	Ingram
1998 Geohydrology of Yorktown and Environs	Geohydrology	USGS	Hughes
1998 Nitrate Reduction at the Groundwater Saltmarsh Interface	Other	VIMS	Tobias
1998 Nesting Habitat of the Brown-Headed Nuthatch at Jamestown Island	Ornithology	WM	Weiss
1998 Faunal Survey of the NPS Green Spring Unit, Colonial National Historical Park	Other	WM	Bradshaw
1998 Further Development of the Parkwide GIS Program	Other	COLO	Rafkind

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1998 UST Closure and Site Remediation, US Navy	Aariculture	USN	Chamberlain
1998 Qualitative Inventory of Fisheries Resources and Baseline Water Quality Parameters in the Tidal Environment of the Jamestown Island Area of the Park.	Fisheries	FWS	Odum
1998 Papermill Creek: Biomonitoring and Chemical Analysis	Water Qualitv	WM	Capelli
1998 The Vascular Flora of the Green Spring unit of Colonial National Historical Park	Botanv	WM	Case
1998 Gypsy Moth Monitoring	Other	COLO	Doak
1998 Mapping of Exotic Invasive Species	Other	CNU	Whitina
1998 Water Qualit Monitoring for Drinking Supplies of Colonial NHP	Water Qualitv	COLO	Williams
1998 Gulls dropping clams at Jamestown: Effect of gull predation on Rangia clam populations	Ornitholoav	WM	Cristol
1998 Educational Training of Federal, State and Local Regulatory Agencies and the General Public in Wetlands Delineation and Issues	Wetlands	VIMS	Perrv
1998 Develop Detailed Monitoring Plans for Rare, Threatened, and Endangered Species of Colonial National Historical Park	Other	VADNH	Clark
1998 Remedial Investigation, Feasibility Study of Installation Restoration Program, Yorktown Naval Weapons Station, Ballard Creek	Other	BAKER. USN	Hoff
1998 Neotropical Migratory Bird Survey	Ornitholoav	WM	Bradshaw
1998 Management Planning for Grassland Faunal Biodiversity	Other	WM	Bradshaw
1998 Natural Heritage Inventory and Monitoring of Cheatham and Wormley Pond Drainages	Other	VADNH	Hobson
1998 Investigation of Groundwater Levels at Edgemarsh Point and Yorktown Battlefield	Hvdrolaav	VADEQ	Bruce

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1998	Monitoring Impacts of Construction Activity to Yorktown Creek, Yorktown, VA	Water Quality	VIMS	Roberts
1998	Shoreline Management Plan, Phase 1: Jamestown Island, Thorofare and James River	Geoloav. Coast	VIMS	Hardawav
1998	Geologic Development of Jamestown Island	Geoloav. Coast	WM. VIMS	Johnson
1998	Distribution of Freshwater Macrobenthos in relation to Water Quality at Yorktown Battlefield	Water Quality	WM	Canelli
1998	Investigation of the Shallow Aquifer System of the Yorktown Battlefield	Geohydroloav	USGS	Huages
1998	Forest Propagation for Reforestation	Forestrv	VADOF	Reier
1999	Further Development of the Parkwide GIS Program	Other	WM. CWF. NCSU	Frederick
1999	Areal Coverage and Distribution of Invasive Exotic Plants in Colonial NHP.	Other	COLO. WM	Gounaris
1999	Monitoring Impacts of Construction Activity to Yorktown Creek, Yorktown, VA	Water Quality	VIMS	Roberts
1999	A Biological Survey of the Coastal Plain Depression Ponds (Sinkholes) of Colonial National Historical Park, Yorktown, Virginia	Ecology	VADNH	Van Alstine
1999	Site 12 Long-Term Monitoring; Naval Weapons Station Yorktown	LTEM	BAKER. USN	Martin
1999	Nitrate Reduction at the Groundwater Saltmarsh Interface	Other	VIMS	Tobias
1999	Distribution of Freshwater Macrobenthos in relation to Water Quality at Papermill Creek	Water Quality	WM	Canelli
1999	Breeding Bird Survey	Ornithology	WM	Bradshaw
1999	Shoreline Management Plan, Phase I: Jamestown Island, Thorofare, James River	ESS	VIMS	Hardawav
1999	UST Closure and Site Remediation, US Navy	Agriculture	UJWN	Conway
1999	Management Planning for Grassland Faunal Biodiversity	Other	WM	Bradshaw

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1999	Geological Development of Jamestown Island	Geoloav	WM	Johnson
1999	Gulls dropping clams at Jamestown: Effect of gull predation on Rangia clam populations	Ornitholoav	WM	Cristol
1999	Geohydrology of Yorktown and Environs	Geohydroloav	USGS	Huahes
1999	Macrobenthos inventory and interpretation in relation to water quality in Colonial NHP	LTEM	WM	Canelli
1999	Water Qualit Monitoring for Drinking Supplies of Colonial NHP	Water Qualitv	COLO	Williams
2000	Estimating relative abundance of young of the year American eel, Anguilla rostrata, in the Virginia tributaries of Chesapeake Bay	Ichthvoloav	VIMS	Geer
2000	Develop Management Plan for Field Faunal Biodiversity	Ecoloav	WM	Watts
2000	Rare, Threatened, and Endangered Species Survey of the Neck O Land environs (terrestrial and aquatic)	RTE	VADNH	Chazal
2000	Shoreline Management Plan: Jamestown Island, The Thorofare and James River Shoreline, Addendum no.1 to Amendment no.6	Geomorpholoav	VIMS	Hardawav
2000	Estimating realtive abundance of young of the year American eel, Anguilla rostrata, in the Virginia portion of Chesapeake Bay	Fisheries	VIMS	Geer
2000	Site 12 Long-Term Monitoring, Naval Weapons Station Yorktown, Virginia	LTEM	BAKER. USN	Martin
2000	Installation Restoration Investigation for Potential NPL Sites, NWS, Yorktown, Cheatham Annex Site, Cheatham Pond	Ecoloav	USN	Wood
2000	Gulls dropping clams at Jamestown: Effect of gull predation on Rangia clam populations	Ornitholoav	WM	Cristol
2000	Areal Coverage and Distribution of Invasive Exotic Plants in Colonial NHP.	Exotic Spv.	COLO. WM	Gounaris

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2000	A Biological Survey of the Coastal Plain Depression Ponds (Sinkholes) of Colonial National Historical Park, Yorktown, Virginia	Ecology	VADNH	Van Alstine
2000	Monitor US Navy remediation of NSFO fuel oil release at the Yorktown Fuel Farm	Contaminants	APEX	Williamson
2000	UST Closure and Site Remediation, US Navy	Contaminants	USN	Conway
2000	Water Quality Monitoring for Drinking Supplies of Colonial NHP	Water Quality	COLO	Williams
2000	Breeding Bird Survey	Ornithology	WM	Bradshaw
2001	Inventory of Rare, Threatened and Endangered Species and Survey and Description of Natural Vegetation Communities of the Jamestown 400 Project Area of Colonial National Historical Park	RTE	VADNH	Chazal
2001	Habitat based inventory of Amphibians and Reptiles of Jamestown Island and Vicinity for the JI400 Planning Project	Herpetology	WM	Mitchell